Claims

1. A grease composition comprising:

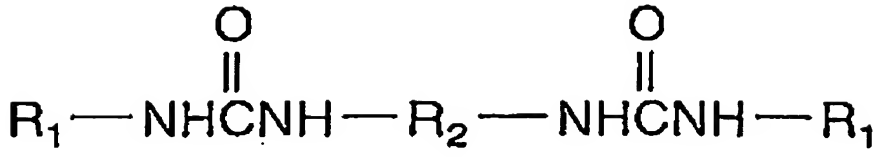
a base oil having a dynamic viscosity at 40°C of 20 to 50 mm^2/s;

a urea compound as a thickening agent in an amount of 8 to 30% by weight with respect to total weight of the grease;

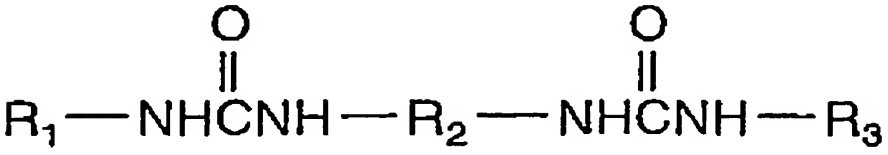
at least one antirust additive selected from carboxylic acids, carboxylate salts, and ester-based antirust additives in an amount of 0.1 to 10% by weight per single additive with respect to total weight of the grease and in an amount of 0.1 to 15% by weight in total of the additive with respect to total weight of the grease.

2. The grease composition according to claim 1, wherein the antirust additive is at least one selected from naphthenate salts and succinic acid derivatives.

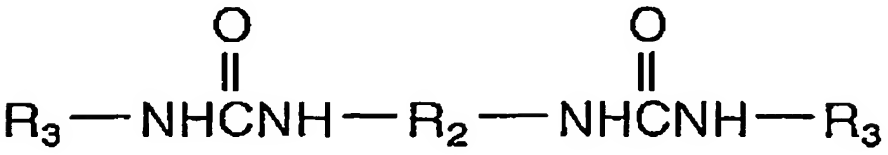
3. The grease composition according to claim 1 or 2, wherein the thickening agent is a mixture of diurea compounds represented by the following general formulae (1) to (3):



(1)



(2)



(3)

wherein R_1 is a cyclohexyl group or an alkylcyclohexyl group having 7 to 12 carbon atoms,

R_2 is a divalent aromatic ring-containing hydrocarbon group having 6 to 15 carbon atoms, and

R_3 is an alkyl group having 8 to 20 carbon atoms,

wherein a ratio of [number of moles of R_1/(number of moles of R_1 + number of moles of R_3)] is from 0.1 to 1.0.

4. The grease composition according to any one of claims 1 to 3, wherein the grease composition further comprising at least one selected from organometallic salts and ashless dithiocarbamates in amount of 0.1 to 10

by weight with respect to total weight of the grease.

5. A rolling device into which the grease composition according to any one of claims 1 to 4 is charged.